USEFUL FORMULAS

METRIC CONVERSIONS:

3.28 feet = 1 meter
10.76 ft^2 = 1 $meter^2$

BOARD FOOT TO SQUARE FOOT:

To compute square feet from board feet, simply find the flooring dimensions and divide the board footage by the following conversion factors:

½" x 2"	divide BF by 1.25
½" x 1½"	divide BF by 1.33
⅜" x 2"	divide BF by 1.25
⅜" x 1½"	divide BF by 1.33
¾" x 3¼"	divide BF by 1.23
¾" x 2¼"	divide BF by 1.33
¾" x 2"	divide BF by 1.38
¾" x 1½"	divide BF by 1.50

Ex: If you have 186 board feet of ¾" x 2" wood flooring, you compute:

$$\frac{186}{1.38} = 134.8\ ft.^2$$

SQUARE FOOTAGE IN A BUNDLE:

$$= \frac{(\#\text{ of runs X bundle length in feet X width in inches})}{12}$$

Ex: If you have 16 runs of 2¼-inch flooring in a bundle that is 8 feet long, you compute:

$$\frac{(16 \times 8 \times 2.25)}{12} = 24\ ft.^2$$

LINEAL TO SQUARE FOOTAGE:

$$\frac{(\text{lineal feet X width in inches})}{12} = \text{square footage}$$

Ex: If you have 40 lineal feet of a 2-inch-wide feature strip, you would compute:

$$\frac{(40 \times 2)}{12} = 6.66\ ft.^2$$

SQUARE TO LINEAL FOOTAGE:

$$\frac{(\text{square feet X } 12)}{\text{width in inches}} = \text{lineal footage}$$

Ex: If you have 8 square feet of a 1½-inch feature strip, to get lineal feet you would compute:

$$\frac{(8\ ft^2 \times 12)}{1.5\ inches} = 64\ lineal\ ft.$$

CALCULATING EQUAL LINEAL FOOTAGE (for Multiple-Width Flooring):

$$\frac{\text{total square footage}}{\text{total pattern width}} \text{ X width in question} = ft^2$$

Ex: If you are creating a 240-square-foot, random-width floor with 3-, 5-, and 7-inch planks, to calculate square footage of the 5-inch planks, you compute:

$$\frac{240\ ft.^2}{3+5+7} \times 5 = 80\ ft.^2$$

CALCULATING AVERAGE LENGTH (with nested bundles):

$$\frac{\text{total lineal feet}}{\#\text{ pieces}}$$

Ex: If a nested bundle is 8 feet long and has 16 runs, its total lineal feet would be 128 feet. If it has 33 pieces, to get the average length, you would compute:

$$\frac{128\ feet}{33} = 3.88\ ft.$$

CALCULATING AVERAGE BUNDLE LENGTH (of bundled flooring):

$$\frac{\text{total lineal bundle feet}}{\#\text{ of bundles}}$$

Ex: If you have 8 random-length bundles that are 3, 3, 4, 5, 5, 6, 6, and 7 feet long, you would add them up to equal 39 feet and divide that by the number of bundles. So:

$$\frac{39\ feet}{8} = 4.875\ bundle\ ft.$$